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SG1J FROM: [REDACTED] ODT-S
SG1J TO: [REDACTED] (OOC-2)
SUBJ: The Two FY 1992 R&D Funded PR's
SG1J COPY: [REDACTED]

1. (S/NF) Your 9 March 92 Higgins note on above subject requests a brief explanation of the difference between the two purchase requests (330/025Z/92 and 330/026Z/92):

- One package (025Z) is a modification to the existing contract (MDA-91-C-0037). Primarily, it permits improved statistical analysis techniques to be applied to evaluate the data on brain wave magnetoencephalograph (MEG) measurements collected during the effort initiated in FY 91. It also permits for completing methodologies that help correlate electroencephalograph (EEG) measurements into MEG data. Such conversion facilitates future brain wave research, make it easier for other non-MEG laboratories to be involved, and facilitates future personnel screening efforts. Other items called for in 025Z are extensions of the basic contract in that additional people will be involved for base-line measurements to improve overall statistical strength of the initial findings. Work in energetics will also be completed for which experimental protocols were developed in the FY 91 effort. The activities identified in 025Z are therefore natural extensions that were anticipated at the time of the original contract in the event FY 92 funding would become available.

- The other package (026Z) reflects significant increases in overall scope of the FY 91, and 025Z, effort. For the MEG effort, preliminary work initiated in FY 91 has, in fact, shown statistically significant results with a small select population group. New work is now needed that expands this initial effort to further establish a wider scientific credibility for the MEG work and improves application potential. (NOTE: Scientific considerations require increased statistical confirmations for different parameters. This requires replication with independent facilities, increases in experimental trials, examination of different brain areas, use of improved MEG instrumentation, and

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examination of physical variables not feasible in the initial work). Consequently, the 026Z package reflects a significant increase in activity from the very basic work initiated in FY 91. Therefore, these two PR's will permit a smoother and more efficient transition from the basic FY 91 activity into the more demanding rigorous scientific work that is required for advancing phenomena understanding, establishing a wider scientific support base, and in moving into new application research areas.

- Other items in 026Z reflect new work not covered in the initial FY 91 effort. For example; use of computer enhanced virtual reality techniques, examining effects of lowering subliminal threshold, examining new cognitive aspects, engaging in new applied research projects, and investigating effects of energetics on emerging advanced technological devices.

2. (U) Please let us know if any additional comments are required. Call at [REDACTED] if necessary.

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Branch Chief

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